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CLERK OF THE BOARD
OF COUNTY COMMISSIONERS
MIAMI-DADE COUNTY, FLORIDA

Memorandum

MIAMI-DADE COUNTY

Date: September 16, 2014

Agenda Item No. 8(F)(4)

To: Honorable Chairwoman Rebeca Sosa
and Members, Board of County Commissioners

From: Carlos A. Gimenez
Mayor

Resolution No. R-807-14

Subject: Resolution Authorizing Additional Time, Expenditure Authority, and Extending Prequalification Pool Contracts for Purchase of Goods and Services

Recommendation
It is recommended that the Board of County Commissioners (Board) authorize time extensions for a contract and prequalification pool, and additional expenditure authority, with authority to exercise option-to-renew (OTR) periods as described below and in more detail in the accompanying attachments.

Section 1 - Time and Expenditure Authority Increase
The item in this section will increase time and expenditure authority for a contract to continue purchasing goods and services. The additional expenditure authority is for goods and services allowed under the original terms and conditions of the contract, but for which the funding necessary requires Board authorization. The total additional expenditure amount requested for the contract is $2,100,000.

Item 1.1 – SCADA Radio System: Extends this contract for an additional five years so the Water and Sewer Department may continue to purchase equipment, maintenance and support services for the existing SCADA radio system. The amount requested for the five-year extension is $2,100,000.

Section 2 - Prequalification Pool Extension
The item in this section extends a prequalification pool, established for the purchase of goods and services, for a period of five years. The total additional expenditure amount requested for the prequalification pool is $325,000.

Item 2.1 – Artists and Exhibition Services: Extends this prequalification pool for an additional five years so the Public Library System and the Aviation Department may continue to use this pool to purchase artist and exhibition services. The amount requested for the five-year extension is $325,000.

Scope
The impact of the items is countywide in nature.

Fiscal Impact/Funding Source
The allocations and funding sources, by department, is listed in the attached items.

Track Record/Monitor
There are no known performance/compliance issues with the vendors recommended for award in this package. Each department's contract manager is reflected in the attached items.

Delegated Authority
If this item is approved, the County Mayor or County Mayor's designee will have the authority to exercise all provisions of the contracts, Section 2-8.1 of the County Code and Implementing Order 3-38.

Additionally, upon approval of the item in Section 2, vendors will continue to participate in spot market competitions. The County Mayor or the County Mayor's designee will have the authority to solicit pricing and award contracts up to an aggregate contract amount of the allocation authorized by the Board. The

County Mayor or the County Mayor's designee may also add qualified vendors to the pool at any time during the term of the contract, subject to bi-annual ratification by the Board.

Due Diligence

Due diligence was conducted in accordance with the Internal Services Department's Procurement Guidelines to determine Contractor responsibility, including verifying corporate status and review of performance or compliance issues. The lists referenced include convicted vendors, debarred vendors, delinquent contractors, suspended vendors, and federal excluded parties. There were no adverse findings relating to Contractor responsibility. This information is provided pursuant to R-187-12.

Background

Additional background information on each item is attached.

Attachments

Edward Marquez
Deputy Mayor

MEMORANDUM

(Revised)

TO: Honorable Chairwoman Rebeca Sosa
and Members, Board of County Commissioners

DATE: September 16, 2014

FROM: R. A. Cuevas, Jr.
County Attorney

SUBJECT: Agenda Item No. 8(F)(4)

Please note any items checked.

_____	**"3-Day Rule" for committees applicable if raised**
_____	**6 weeks required between first reading and public hearing**
_____	**4 weeks notification to municipal officials required prior to public hearing**
_____	**Decreases revenues or increases expenditures without balancing budget**
_____	**Budget required**
_____	**Statement of fiscal impact required**
_____	**Ordinance creating a new board requires detailed County Mayor's report for public hearing**
_____	**No committee review**
_____	**Applicable legislation requires more than a majority vote (i.e., 2/3's ____, 3/5's ____, unanimous _____) to approve**
✓	**Current information regarding funding source, index code and available balance, and available capacity (if debt is contemplated) required**

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 8(F)(4)
9-16-14

RESOLUTION NO. R-807-14

RESOLUTION AUTHORIZING TIME EXTENSION AND ADDITIONAL EXPENDITURE AUTHORITY OF A CONTRACT FOR SCADA RADIO SYSTEM IN A TOTAL AMOUNT NOT TO EXCEED $2,100,000.00, AND EXTENSION OF A PREQUALIFICATION POOL CONTRACT FOR ARTISTS AND EXHIBITION SERVICES IN A TOTAL AMOUNT NOT TO EXCEED $325,000.00

WHEREAS, the County Mayor recommends to this Board to authorize additional expenditure authority for the purchase of goods and services,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that:

Section 1. This Board authorizes additional time and expenditure authority as set forth in item 1.1 of the incorporated memorandum in an amount up to $2,100,000.00 for the purchase of SCADA radio system equipment, maintenance and support services.

Section 2. This Board authorizes extension of a prequalification pool contract as set forth in item 2.1 of the incorporated memorandum in an amount up to $325,000.00 for the purchase of artists and exhibition services.

Section 3. This Board authorizes the County Mayor or County Mayor's designee to execute contracts for the items approved herein and exercise contract modifications, options-to-renew, any cancellation provisions, and any other rights contained therein in accordance with the terms and conditions of such contracts.

Section 4. This Board authorizes the County Mayor or County Mayor's designee to conduct spot bids, award subsequent contracts, and add vendors to the pool at any time, subject

to ratification by the Board on a bi-annual basis, for the pool set forth in item 2.1 of the incorporated memorandum.

The foregoing resolution was offered by Commissioner **José "Pepe" Diaz**, who moved its adoption. The motion was seconded by Commissioner **Sally A. Heyman** and upon being put to a vote, the vote was as follows:

Rebeca Sosa, Chairwoman	**aye**		
Lynda Bell, Vice Chair	**absent**		
Bruno A. Barreiro	**absent**	Esteban L. Bovo, Jr.	**aye**
Jose "Pepe" Diaz	**aye**	Audrey M. Edmonson	**aye**
Sally A. Heyman	**aye**	Barbara J. Jordan	**aye**
Jean Monestime	**aye**	Dennis C. Moss	**aye**
Sen. Javier D. Souto	**aye**	Xavier L. Suarez	**absent**
Juan C. Zapata	**absent**		

The Chairperson thereupon declared the resolution duly passed and adopted this 16th day of September, 2014. This resolution shall become effective ten (10) days after the date of its adoption unless vetoed by the Mayor, and if vetoed, shall become effective only upon an override by this Board.

MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF
COUNTY COMMISSIONERS

HARVEY RUVIN, CLERK

By: *Christopher Agrippa*
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.

Oren Rosenthal

Item 1.1

Contract No.: SS8181-5/14-5	Title: SCADA Radio System

Type of Change	
☒ Additional Time	☒ Additional Expenditure Authority

Contract Description and Reason for Change:

Authorization is requested to amend this sole source contract to add an additional five years as a legacy contract to allow, as attached, the Water and Sewer Department (WASD) to continue purchasing the support required for the supervisory control and data acquisition (SCADA) Radio System. The SCADA system is used to monitor and control the pumping infrastructure of the water treatment, water distribution, sewer collection and wastewater treatment systems. The radio system communication is required to effectively cover 43 square miles within the boundaries of Miami-Dade County. The SCADA radio system works in conjunction with the SCADA process system to effectively monitor and communicate between stations and as part of the Pump Station Optimization Program, the department is consistently expanding and upgrading the current system.

WASD must properly maintain its SCADA systems to comply with the mandates and agreement requirements issued by Federal Consent Decrees, the Florida Department of Environmental Protection, and the South Florida Water Management District. Consent Decree regulations mandate that the vast majority of the 25 year old system components be .upgraded and replaced.

The contract is currently in its last option to renew term for system support services. The support required includes hardware, software, parts, programming service applications, support services, workstations, repairs and ongoing staff training. The SCADA system is proprietarily developed and owned by GE MDS LLC. No other vendor is capable of providing all of the required software, hardware, or support services. The value of the five-year extension is $2,100,000, which is based on current and anticipated usage during the extension period. The increased allocation is needed because the legacy system is 25 years old and radio upgrades and replacements have been deferred over the past ten years due to budget constraints. The allocation will be used to support the existing infrastructure and purchase additional equipment on an ongoing basis to satisfy the requirements of the Consent Decree.

Current Term Length:			Additional Time Requested:		
90 Months			60 Months		
Current Term Start Date:	Current Term Expiration Date:		Proposed Expiration Date:		
April 12, 2007	September 30, 2014		September 30, 2019		
Department	**Existing Allocation**	**Additional Allocation Requested**	**Modified Allocation**	**Funding Source**	**Contract Manager**
Water and Sewer	$938,000	$2,100,000	$3,038,000	Proprietary Funds	Susan Pascul
TOTAL	**$938,000**	**$2,100,000**	**$3,038,000**		

Contract Measures:	☐ Small Business Enterprise ☐ Set-Aside ☐ Bid Preference ☐ Selection Factor ☒ Other - No Measure Sole Source
Local Preference Ordinance:	☐ Applies where permitted by funding source ☒ Does not apply
Living Wage Ordinance:	☐ Applies ☒ Does not apply
User Access Program:	☒ Applies where permitted by funding source ☐ Does not apply
Procurement Contracting Associate:	Lluis Gorgoy

Vendors	Address	Principal
GE MDS LLC	175 Science Parkway, Rochester, NY	Thomas Dancy

MIAMI-DADE

SUPPLEMENTAL AGREEMENT NO. 1

Contract Number: SS8181-5/14-5 (Executed on April 12, 2007)

Contract Title: SCADA Radio System

Contractor: GE MDS LLC
175 Science Parkway,
Rochester, New York 14620

In accordance with the above referenced contract **("Contract")**, this Amendment No. 1, when properly executed, becomes a part of the Contract effective upon execution, and sets forth the terms and conditions that are in addition to and/or modify those terms and conditions set forth in the Miami-Dade County Contract No. SS8181-5/14-5, Scada Radio System by and between GE MDS LLC, a corporation organized and existing under the laws of Delaware, , having a place of business at 175 Science Parkway, Rochester, New York 14620 **("Contractor")** and Miami-Dade County **("County")**, a political subdivision of the State of Florida, having its principal office at 111 N.W. 1st Street, Miami, Florida 33128. In case of any conflict between the Contract and this Amendment, the terms and conditions of this Amendment shall control. Except as otherwise modified herein, all terms and conditions of the Agreement shall remain in force and effect.

Whereas the County and Contractor mutually agree to extend the Contract term for an additional five (5) years as of October 1, 2014;

Now therefore, the County and Contractor mutually agree to the following:

- Appendix A GE MDS Commercial Product Price Offering" is hereby updated and replaced in its entirety with the revised Appendix A attached hereto;

- Article 7(2) "Notices" is hereby updated to change Contractor's name and email address to Thomas Dancy; Thomas.Dancy@ge.com, 1-706-319-1474

- Article 20 "Audits" is hereby replaced in its entirety with the following:

"For all work or services provided by Contractor on a time-and-materials or cost-reimbursable basis hereunder, Contractor shall maintain (i) time sheets reflecting labor used in connection with Contractor's performance of the services included in the Work and (ii) invoice records of materials used in connection with the Work performed by Contractor (together, the "Reviewable Records"). Upon written request from County no fewer than

fifteen (15) business days in advance, Contractor shall make available the Reviewable Records for review by the County or a mutually agreeable Accounting Firm during the term of this contract and for a period of three years following the date of Contractor's receipt of final payment for the Work. The County is responsible for all expenses incurred in connection with any such review or audit. The County shall not have the right to audit the derivation of any lump sum amounts. All information reviewed or obtained by the County or its agents in connection with a review or audit conducted hereunder shall be deemed confidential and subject to the confidentiality provisions of Article 31 of this Agreement."

- Article 23 " Subcontractor" is hereby replaced in its entirety with the following:

"Contractor shall at all times be responsible for the Work and for the acts and omissions of Subcontractors and persons directly or indirectly employed by it. The Agreement shall not constitute a contractual relationship between any Subcontractor and the County. The County shall not have any obligation for payment to any Subcontractor. The County shall have the right of approval of any Subcontractors, which were not identified in Contractor's proposal."

- Article 27 "Event of Default" is hereby changed such that;

1. The first sentence in (a) shall read; "An Event of Default shall mean a material breach of this Agreement by the Contractor. "

2. (c) shall read" In the event the County shall terminate this Agreement for default, the County or its designated representatives, may immediately take possession of all applicable equipment, materials, products, documentation, reports and data purchased prior to the date of termination."

3. (d) is added to read "Contractor may suspend or terminate the Contract (or any affected portion thereof) immediately for cause if the County (i) becomes Insolvent/Bankrupt, or (ii) materially breaches the Contract, including, but not limited to, making any payment when due."

- Article 29 "Remedies in the Event of Default" is hereby replaced in its entirety with the following:

"Contractor shall reimburse the County the difference between that portion of the Contract Price allocable to the terminated scope and the actual amounts reasonably incurred by the County to complete that scope, and the County shall pay to Contractor the portion of the Contract Price allocable to Work completed before the effective date of termination."

- Article 30 "Patent and Copyright Indemnification is hereby replaced in its entirety with the following:

"Contractor shall defend and indemnify the County against any claim by a non-affiliated third party (a "Claim") alleging that any Work furnished under this Contract infringe a patent in effect in the U.S., or any copyright or trademark registered in the country of the Site, provided that the County (a) promptly notifies Contractor in writing of the Claim, (b) makes no admission of liability and does not take any position adverse to Contractor, (c) gives Contractor sole authority

to control defense and settlement of the Claim, and (d) provides Contractor with full disclosure and reasonable assistance as required to defend the Claim.

This Section shall not apply and Contractor shall have no obligation or liability with respect to any Claim based upon (a) the Work that have been modified, or revised, (b) the combination of any Work with other products or services when such combination is a basis of the alleged infringement, (c) unauthorized use of the Work, or (d) Work made or performed to the County's specifications.

Should any Work, or any portion thereof, become the subject of a Claim, Contractor may at its option (a) procure for the County the right to continue using the Work, or applicable portion thereof, (b) modify or replace it in whole or in part to make it non-infringing, or (c) failing (a) or (b), take back infringing Work and refund the price received by Contractor attributable to the infringing Work. This Article states Contractor's exclusive liability for intellectual property infringement of the Work."

- Article 33 "Proprietary Rights" is hereby replaced in its entirety as follows:

a) Excluding Licensed Software, the Contractor hereby acknowledges and agrees that the County retains all rights, title and interests in and to all materials, data, documentation and copies thereof furnished by the County to the Contractor hereunder.. The Contractor shall not, without the prior written consent of the County, use such County documentation on any other project in which the Contractor or its employees, agents, subcontractors or suppliers are or may become engaged. Submission or distribution by the Contractor to meet official regulatory requirements or for other purposes in connection with the performance of Services under this Agreement shall not be construed as publication in derogation of the County's copyrights or other proprietary rights.

b) The Contractor and its subcontractors and suppliers hereunder shall retain all proprietary rights in and to all Licensed Software provided hereunder. Notwithstanding the foregoing, the Contractor hereby grants, and shall require that its subcontractors and suppliers grant, if the County so desires, a perpetual, irrevocable license to use the Licensed Software. With written notification to Contractor, County may disclose and/or permit use all such Licensed Software and the associated specifications, technical data and other Documentation for the operations of the County or entities controlling, controlled by, under common control with, or affiliated with the County, or organizations which may hereafter be formed by or become affiliated with the County. With Contractor's consent, the right of the County to use and/or disclose, in whole or in part, the technical documentation and Licensed Software, , to any person or entity outside the County for such person's or entity's use in furnishing any and/or all of the Deliverables provided hereunder exclusively for the County or entities controlling, controlled by, under common control with, or affiliated with the County, or organizations which may hereafter be formed by or become affiliated with the County.

- Article 38 "Warranty" is hereby changed to delete all instances of "Inc" after "GE MDS".
- Article 53 "Limitation of Liability" is hereby added;

  "To the extent allowed by law, the total liability of Contractor for all claims of any kind arising from or related to the formation, performance or breach of this Contract, or any products or

services, shall not exceed the Purchase Order price. Contractor shall not be liable for loss of profit or revenues, loss of use of equipment or systems, interruption of business, cost of capital, downtime costs, increased operating costs, any special, consequential, incidental, indirect, or punitive damages, or claims of County's customers for any of the foregoing types of damages. Contractor shall not be liable for advice or assistance that is not required for the work scope under this Contract."

All terms, covenants and conditions of the original Contract shall remain in full force and effect, except to the extent herein amended.

IN WITNESS WHEREOF, the parties have executed this Supplemental Agreement to County Contract No. SS8181-5/14-5 effective upon execution.

Contractor

By: Gregg Doulé

Name: Gregg Doule

Title: Commercial Director

Date: 19 May 2014

Attest: _____
Corporate Secretary
Secretary of GE MDS, LLC

Corporate Seal

Miami-Dade County

By: _____

Name: _____

Title: _____

Date: _____

Attest: _____
Clerk of the Board

Approved as to form
and legal sufficiency

_____
Assistant County Attorney

Appendix A - GE MDS Product Price List

Pricing represented in this agreement is valid only for purchases made by County under this Contract and is valid only for the term of the Contract
This price sheet is not a guarantee of product availability.
Please contact the Regional Sales Manager for product lead times.

All information inside this spreadsheet is the protected and confidential information of the General Electric Company, GE MDS, LLC, and GE Industrial Communications. Any distribution or copying of this document without express permission is prohibited.

Product Type	Part Number	Product Description	Unit Price
SD Series - Data Acquisition	SD2-A-ES	MDS SD2 Ethernet and Serial 200 MHz Managed Radio, 216-220	$1,137.75
SD Series - Data Acquisition	SD2-B-ES	MDS SD2 Ethernet and Serial 200 MHz Managed Radio, 220-222 MHz, one 10/100 BaseT IP/Ethernet and two serial ports, COM2 port programmable RS232/485. Includes 2710 emulation mode, AES 128 encryption and VRC. Supports packet & transparent modes and IP/Ethe	$1,137.75
SD Series - Data Acquisition	SD2-B-MS	MDS SD2 200 MHz Managed Serial Radio, 220-222 MHz, COM2	$945.56
SD Series - Data Acquisition	SD2-C-ES	MDS SD2 Ethernet and Serial 200 MHz Managed Radio, 220-235	$1,137.75
SD Series - Data Acquisition	SD2-C-MS	MDS SD2 200 MHz Managed Serial Radio, 220-235 MHz, COM2	$945.56
SD Series - Data Acquisition	SD2-D-ES	MDS SD2 Ethernet and Serial 200 MHz Managed Radio, 216-220	$1,137.75
SD Series - Data Acquisition	SD2-D-SS	MDS SD2 Secure Serial 200 MHz Managed Radio, 216-220 MHz	$945.56
SD Series - Data Acquisition	SD2P-A-ES	MDS SD2P Protected SD2. Includes two SD2-A-ES Ethernet and	$3,889.88
SD Series - Data Acquisition	SD2P-A-MS	MDS SD2P Protected SD2. Includes two SD2-A-MS 200 MHz	$3,889.88
SD Series - Data Acquisition	SD2P-A-SS	MDS SD2P Protected SD2. Includes two SD2-A-SS secure serial	$3,505.50
SD Series - Data Acquisition	SD2P-B-ES	MDS SD2P Protected SD2. Includes two SD2-B-ES Ethernet and serial 200 MHz managed radios. 220-222 MHz, one 10/100 BaseT IP/Ethernet, two serial ports, COM2 port programmable RS232/485. Includes 2710 emulation mode, AES 128 and VRC. Supports packet & tran	$3,889.88
SD Series - Data Acquisition	SD2P-B-MS	MDS SD2P Protected SD2. Includes two SD2-B-MS 200 MHz managed radios, 220-222 MHz, COM2 port programmable RS232/485. Defaults to 2710 emulation mode. Can be configured to operate as an SS model.	$3,505.50
SD Series - Data Acquisition	SD2P-B-SS	MDS SD2P Protected SD2. Includes two SD2-B-SS secure serial 200 MHz managed radios, 220-222 MHz, two serial ports, COM2 port programmable RS232/485. Includes 2710 emulation mode and AES 128 encryption. Supports packet & transparent modes.	$3,505.50
SD Series - Data Acquisition	SD2P-C-ES	MDS SD2P Protected SD2. Includes two SD2-C-ES Ethernet and serial 200 MHz managed radios. 220-235 MHz, one 10/100 BaseT IP/Ethernet, two serial ports, COM2 port programmable RS232/485. Includes 2710 emulation mode, AES 128 and VRC. Supports packet & tran	$3,889.88
SD Series - Data Acquisition	SD2P-C-MS	MDS SD2P Protected SD2. Includes two SD2-C-MS 200 MHz managed radios, 220-235 MHz, COM2 port programmable RS232/485. Defaults to 2710 emulation mode. Can be configured to operate as an SS model.	$3,505.50
SD Series - Data Acquisition	SD2P-C-SS	MDS SD2P Protected SD2. Includes two SD2-C-SS secure serial 200 MHz managed radios, 220-235 MHz, two serial ports, COM2 port programmable RS232/485. Includes 2710 emulation mode and AES 128 encryption. Supports packet & transparent modes.	$3,505.50
SD Series - Data Acquisition	SD2P-D-ES	MDS SD2P Protected SD2. Includes two SD2-D-ES Ethernet and serial 200 MHz managed radios. 216-220 MHz with 50 KHz channel size, one 10/100 BaseT IP/Ethernet, two serial ports, COM2 port programmable RS232/485. Includes 2710 emulation mode, AES 128 and VRC	$3,889.88
SD Series - Data Acquisition	SD2P-D-SS	MDS SD2P Protected SD2. Includes two SD2-D-SS secure serial 200 MHz managed radios, 216-220 MHz with 50 KHz channel size, two serial ports, COM2 port programmable RS232/485. Includes 2710 emulation mode and AES 128 encryption. Supports packet & transpare	$3,505.50
SD Series - Data Acquisition	SD4-A-ES	MDS SD4 Serial with Ethernet Option, Managed Radio, 350-400 MHz, one 10/100 BaseT IP/Ethernet and two serial ports, COM2 port programmable RS232/485. Includes 4710 emulation mode, AES 128 encryption and VRC. Supports packet & transparent modes and IP/Eth	$1,137.75
SD Series - Data Acquisition	SD4-B-ES	MDS SD4 Serial with Ethernet Option, Managed Radio, 400-450 MHz, one 10/100 BaseT IP/Ethernet and two serial ports, COM2 port programmable RS232/485. Includes 4710 emulation mode, AES 128 encryption and VRC. Supports packet & transparent modes and IP/Eth	$1,137.75

SD Series - Data Acquisition	SD4-C-ES	MDS SD4 Serial with Ethernet Option, Managed Radio, 450-512 MHz, one 10/100 BaseT IP/Ethernet and two serial ports, COM2 port programmable RS232/485. Includes 4710 emulation mode, AES 128 encryption and VRC. Supports packet & transparent modes and IP/Eth	$1,137.75
SD Series - Data Acquisition	SD4-D-ES	MDS SD4 serial with Ethernet option, 400 MHz managed radio, 300-360 MHz, one 10/100 BaseT IP/Ethernet and two serial ports, COM2 port programmable RS232/485. Includes 4710 emulation mode, AES 128 encryption and VRC. Supports packet & transparent modes an	$1,137.75
SD Series - Data Acquisition	SD4-D-SS	MDS SD4 400 MHz secure serial managed radio, 300-360 MHz, two serial ports, COM2 port programmable RS232/485. Includes 4710 emulation mode and AES 128 encryption. Supports packet & transparent modes.	$945.56
SD Series - Data Acquisition	SD4P-A-ES	MDS SD4P Protected SD4. Includes two SD4-A-ES Ethernet and serial 400 MHz managed radios, 350-400 MHz, one 10/100 BaseT IP/Ethernet and two serial ports, COM2 port programmable RS232/485. Includes 4710 emulation mode, AES-128 and VRC. Supports packet &	$3,889.88
SD Series - Data Acquisition	SD4P-A-MS	MDS SD4P Protected SD4. Includes two SD4-A-MS secure serial 400 MHz managed radios, 350-400 MHz, two serial ports, COM2 port programmable RS232/485. Defaults to 4710 emulation mode. Can be configured to operate as an SS model.	$3,505.50
SD Series - Data Acquisition	SD4P-A-SS	MDS SD4P Protected SD4. Includes two SD4-A-SS secure serial 400 MHz managed radios, 350-400 MHz, two serial ports, COM2 port programmable RS232/485. Includes 4710 emulation mode and AES 128 encryption. Supports packet & transparent modes	$3,505.50
SD Series - Data Acquisition	SD4P-B-ES	MDS SD4P Protected SD4. Includes two SD4-B-ES Ethernet and serial 400 MHz managed radios, 400-450 MHz, one 10/100 BaseT IP/Ethernet and two serial ports, COM2 port programmable RS232/485. Includes 4710 emulation mode, AES-128 and VRC. Supports packet &	$3,889.88
SD Series - Data Acquisition	SD4P-B-MS	MDS SD4P Protected SD4. Includes two SD4-B-MS secure serial 400 MHz managed radios, 400-450 MHz, two serial ports, COM2 port programmable RS232/485. Defaults to 4710 emulation mode. Can be configured to operate as an SS model.	$3,505.50
SD Series - Data Acquisition	SD4P-B-SS	SD4P-B-SS	$3,505.50
SD Series - Data Acquisition	SD4P-C-ES	MDS SD4P Protected SD4. Includes two SD4-C-ES Ethernet and serial 400 MHz managed radios, 450-512 MHz, one 10/100 BaseT IP/Ethernet and two serial ports, COM2 port programmable RS232/485. Includes 4710 emulation mode, AES-128 and VRC. Supports packet &	$3,889.88
SD Series - Data Acquisition	SD4P-C-MS	MDS SD4P Protected SD4. Includes two SD4-C-MS secure serial 400 MHz managed radios, 450-512 MHz, two serial ports, COM2 port programmable RS232/485. Defaults to 4710 emulation mode. Can be configured to operate as an SS model.	$3,505.50
SD Series - Data Acquisition	SD4P-C-SS	MDS SD4P Protected SD4. Includes two SD4-C-SS secure serial 400 MHz managed radios, 450-512 MHz, two serial ports, COM2 port programmable RS232/485. Includes 4710 emulation mode and AES 128 encryption. Supports packet & transparent modes	$3,505.50
SD Series - Data Acquisition	SD4P-D-ES	MDS SD4P Protected SD4. Includes two SD4-D-ES Ethernet and serial managed radios, 300-360 MHz, one 10/100 BaseT IP/Ethernet and two serial ports, COM2 port programmable RS232/485. Includes 4710 emulation mode, AES-128 and VRC. Supports packet & transpa	$3,889.88
SD Series - Data Acquisition	SD4P-D-SS	MDS SD4P Protected SD4. Includes two SD4-D-SS secure serial managed radios, 300-360 MHz, two serial ports, COM2 port programmable RS232/485. Includes 4710 emulation mode and AES 128 encryption. Supports packet & transparent modes. Please specify TX/RX Fr	$3,505.50

SD Series - Data Acquisition	SD9-C-ES	MDS SD9 Ethernet and Serial 900 MHz Managed Radio, 928-960 MHz, one 10/100 BaseT IP/Ethernet and two serial ports, COM2 port programmable RS232/485. Includes 9710 emulation mode, AES 128 encryption and VRC. Supports packet & transparent modes and IP/Ethe	$1,137.75
SD Series - Data Acquisition	SD9-C-MS	MDS SD9 900 MHz Managed Serial Radio. 928-960 MHz, COM2 port programmable RS232/485. Includes authorization for remote management access. Defaults to 9710 emulation mode. Can be configured to operate as an SS model.	$1,022.44
SD Series - Data Acquisition	SD9-C-SS	MDS SD9 Secure Serial 900 MHz Managed Radio, 928-960 MHz, two serial ports, COM2 port programmable RS232/485. Includes 9710 emulation mode and AES 128 encryption. Supports packet & transparent modes.	$1,022.44
SD Series - Data Acquisition	SD9P-C-ES	MDS SD9P Protected SD9. Includes two SD9-ES Ethernet and serial 900 MHz managed radios. 928-960 MHz. One 10/100 BaseT IP/Ethernet, two serial ports, COM2 port programmable RS232/485. Includes 9710 emulation mode, AES 128 and VRC. Supports packet & transp	$3,889.88
SD Series - Data Acquisition	SD9P-C-MS	MDS SD9P Protected SD9. Includes two SD9-MS 900 MHz managed radios. 928-960 MHz. COM2 port programmable RS232/485. Defaults to 9710 emulation mode. Can be configured to operate as an SS model.	$3,505.50
SD Series - Data Acquisition	SD9P-C-SS	MDS SD9P Protected SD9. Includes two SD9-SS secure serial 900 MHz managed radios. 928-960 MHz. Two serial ports, COM2 port programmable RS232/485. Includes 9710 emulation mode and AES 128 encryption. Supports packet & transparent modes.	$3,505.50
SD Series - Data Acquisition	SD1-B-ES	MDS SD1 Ethernet and Serial 100 MHz Managed Radio, 150-174 MHz, one 10/100 BaseT IP/Ethernet and two serial ports, COM2 port programmable RS232/485. Includes 1710 emulation mode, AES 128 encryption and VRC. Supports packet & transparent modes and IP/Ethe	$1,137.75
SD Series - Data Acquisition	SD1-B-MS	MDS SD1 100 MHz Managed Serial Radio, 150-174 MHz, COM2 port programmable RS232/485. Includes authorization for remote management access. Defaults to 1710 emulation mode. Can be configured to operate as an SS model.	$945.56
SD Series - Data Acquisition	SD1-B-SS	MDS SD1 Secure Serial 100 MHz Managed Radio, 150-174 MHz, two serial ports, COM2 port programmable RS232/485. Includes 1710 emulation mode and AES 128 encryption. Supports packet & transparent modes.	$945.56
SD Series - Data Acquisition	SD1DP-ES	MDS SD1DP Dual Protected Transceiver Assembly, 150-174 MHz containing two SD1P protected assemblies with automatic failover. One SD1P is configured with Tx frequency, one SD1P is configured with Rx frequency for full duplex and streaming	$6,841.88
SD Series - Data Acquisition	SD1DP-MS	MDS SD1DP Dual Protected Transceiver Assembly, 150-174 MHz containing two SD1P protected assemblies with automatic failover. One SD1P is configured with Tx frequency, one SD1P is configured with Rx frequency for full duplex and streaming	$6,688.13
SD Series - Data Acquisition	SD1DP-SS	MDS SD1DP Dual Protected Transceiver Assembly, 150-174 MHz containing two SD2P protected assemblies with automatic failover. One SD1P is configured with Tx frequency, one SD1P is configured with Rx frequency for full duplex and streaming	$6,688.13
SD Series - Data Acquisition	SD1DT-ES	MDS SD1DT Dual Transceiver Assembly, 150-174 MHz, non-protected, full-duplex, master/streaming repeater operation. Includes two SD1-ES radios each configured with either Tx or Rx frequency and separate SD1P duplexer chassis and connectio	$4,766.25

SD Series - Data Acquisition	SD21T-MS	MDS SD1DT Dual Transceiver Assembly, 150-174 MHz, non-protected, full-duplex, master/streaming repeater operation. Includes two SD1-MS radios each configured with either Tx or Rx frequency and separate SD1P duplexer chassis and connectio	$4,381.88
SD Series - Data Acquisition	SD1DT-SS	MDS SD1DT Dual Transceiver Assembly, 150-174 MHz, non-protected, full-duplex, master/streaming repeater operation. Includes two SD1-SS radios each configured with either Tx or Rx frequency and separate SD2P duplexer chassis and connection	$4,381.88
SD Series - Data Acquisition	SD1P-B-ES	MDS SD1P Protected SD1. Includes two SD1-B-ES Ethernet and serial 200 MHz managed radios. 150-174 MHz, one 10/100 BaseT IP/Ethernet, two serial ports, COM2 port programmable RS232/485. Includes 1710 emulation mode, AES 128 and VRC. Supports packet & tran	$3,889.88
SD Series - Data Acquisition	SD1P-B-MS	MDS SD1P Protected SD1. Includes two SD1-B-MS 200 MHz managed radios, 150-174 MHz, COM2 port programmable RS232/485. Defaults to 1710 emulation mode. Can be configured to operate as an SS model.	$3,505.50
SD Series - Data Acquisition	SD1P-B-SS	MDS SD1P Protected SD1. Includes two SD1-B-SS secure serial 200 MHz managed radios, 150-174 MHz, two serial ports, COM2 port programmable RS232/485. Includes 1710 emulation mode and AES 128 encryption. Supports packet & transparent modes.	$3,505.50
SD Series - Accessories	97-4278A56	Antenna 215-225MHz 7dBi Omni w/N-F Bulkhead Conn & Mnt	$619.60
SD Series - Accessories	97-4278A54	Antenna 215-225MHz 8.5dBi Yagi w/N-F Conn & Mnt	$217.94
SD Series - Accessories	97-4278A52	Antenna 330-350MHz 8.6 dBi Yagi w/N-F Conn & Mnt	$159.50
SD Series - Accessories	97-3194A02	Antenna 406-430MHz 12dBi Yagi w/N-F Conn & Mnt	$99.18
SD Series - Accessories	97-3194A18	Antenna 406-430MHz 7dBi Omni w/16" Jumper N-F Conn & Mnt	$129.85
SD Series - Accessories	97-3194A04	Antenna 430-450MHz 12dBi Yagi w/N-F Conn & Mnt	$99.18
SD Series - Accessories	97-3194A19	Antenna 430-450MHz 7dBi Omni w/16" Jumper N-F Conn & Mnt	$129.85
SD Series - Accessories	97-1864A26	Antenna 450-470MHz 11dBi Omni w/N-M Conns & Mnt	$1,348.60
SD Series - Accessories	97-3194A06	Antenna 450-470MHz 12dBi Yagi w/N-F Conn & Mnt	$99.18
SD Series - Accessories	97-1682A48	Antenna 470-490MHz 12dBi Yagi w/N-F Conn & Mnt	$272.99
SD Series - Accessories	97-1682A49	Antenna 480-500MHz 12dBi Yagi w/N-F Conn & Mnt	$272.99
SD Series - Accessories	97-3194A14	Antenna 902-960MHz 12dBi Yagi w/N-F Conn & Mnt	$87.93
SD Series - Accessories	97-3194A23	Antenna 928-960MHz 9 dBi Omni w/16" Jumper N-F Conn & Mnt	$137.01
SD Series - Accessories	97-1677A174	Cable AVA5-50A 7/8" Foam Per Foot	$3.58
SD Series - Accessories	97-1677A159	Cable Jumper 3/8" LMR-400 3' TNC-M to N-M	$38.85
SD Series - Accessories	97-1677A103	Cable LDF4-50A 1/2" Foam Per Foot	$1.89
SD Series - Accessories	97-3675A10	Cable LMR-400 Standard Outdoor Cable Per Foot	$1.01
SD Series - Accessories	97-1870A21	Cable RJ45 CAT5 Crossover 6ft	$7.16
SD Series - Accessories	97-1870A20	Cable RJ45 CAT5 Straight 6ft	$6.13
SD Series - Accessories	97-1677A171	Connector Kit LDF4 TNC-M w/Flange Mnt Up To 1GHz	$204.49
SD Series - Accessories	97-3675A86	Connector Kit LMR400 TNC-M w/Bulkhead Mnt Up To 1GHz	$193.24
SD Series - Accessories	97-3675A76	Connector Kit LMR400 TNC-M w/Flange Mnt Up To 1GHz	$159.50
SD Series - Accessories	03-4758A02	Conversion Kit Analog x710 to SDx	$39.88
SD Series - Accessories	03-4125A04	Din Rail Mnt Kit For SD INET & entraNET Access Points	$10.22
SD Series - Accessories	01-3682A02	Power Supply For 'NET' & SD 12v-30W w/AC/DC Switcher	$59.30
SD Series - Accessories	03-4123A14	Standard Mount Brackets For SD Products Qty 2	$5.11
SD Series - Accessories	97-1680A01	Surge Protector 125-1,000MHz NF-NF Flange	$55.21
SD Series - Accessories	97-1680A05	Surge Protector 125-1,000MHz NF-NF Bulkhead	$61.35

Product Type	Part Number	Product Description	Unit Price
SD Series - Data Acquisition	SD9DP-ES	MDS SD9DP Dual Protected Transceiver Assembly, 928-960 MHz containing two SD9P protected assemblies with automatic failover. One SD9P is configured with Tx frequency, one SD9P is configured with Rx frequency for full duplex and streaming repeater operatio	$6,841.88
SD Series - Data Acquisition	SD9DP-MS	MDS SD9DP Dual Protected Transceiver Assembly, 928-960 MHz containing two SD9P protected assemblies with automatic failover. One SD9P is configured with Tx frequency, one SD9P is configured with Rx frequency for full duplex and streaming repeater operatio	$6,688.13
SD Series - Data Acquisition	SD9DP-SS	MDS SD9DP Dual Protected Transceiver Assembly, 928-960 MHz containing two SD9P protected assemblies with automatic failover. One SD9P is configured with Tx frequency, one SD9P is configured with Rx frequency for full duplex and streaming repeater operatio	$6,688.13
SD Series - Data Acquisition	SD9DP-A-ES	MDS SD9DP Dual Protected Transceiver Assembly, containing two SD9P-A-ES protected assemblies with automatic failover. One SD9P is configured with Tx frequency, one SD9P is configured with Rx frequency for full duplex and streaming repeater operation. Includes separate SDxP duplexer chassis. All interconnect cabling is included. Each chassis is 19" rack mount, 2RU high. Three chassis tota. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$6,841.88
SD Series - Data Acquisition	SD9DP-A-MS	MDS SD9DP Dual Protected Transceiver Assembly containing two SD9P-A-MS protected assemblies with automatic failover. One SD9P is configured with Tx frequency, one SD9P is configured with Rx frequency for full duplex and streaming repeater operation. Includes separate SDxP duplexer chassis. All interconnect cabling is included. Each chassis is 19" rack mount, 2RU high. Three chassis tota. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$6,688.13
SD Series - Data Acquisition	SD9DP-A-SS	MDS SD9DP Dual Protected Transceiver Assembly containing two SD9P-A-SS protected assemblies with automatic failover. One SD9P is configured with Tx frequency, one SD9P is configured with Rx frequency for full duplex and streaming repeater operation. Includes separate SDxP duplexer chassis. All interconnect cabling is included. Each chassis is 19" rack mount, 2RU high. Three chassis tota. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$6,688.13

SD Series - Data Acquisition	SD9DP-C-ES	MDS SD9DP Dual Protected Transceiver Assembly containing two SD9P-C-ES protected assemblies with automatic failover. One SD9P is configured with Tx frequency, one SD9P is configured with Rx frequency for full duplex and streaming repeater operation. Includes separate SDxP duplexer chassis. All interconnect cabling is included. Each chassis is 19" rack mount, 2RU high. Three chassis tota. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$6,841.88
SD Series - Data Acquisition	SD9DP-C-MS	MDS SD9DP Dual Protected Transceiver Assembly containing two SD9P-C-MS protected assemblies with automatic failover. One SD9P is configured with Tx frequency, one SD9P is configured with Rx frequency for full duplex and streaming repeater operation. Includes separate SDxP duplexer chassis. All interconnect cabling is included. Each chassis is 19" rack mount, 2RU high. Three chassis tota. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$6,688.13
SD Series - Data Acquisition	SD9DP-C-SS	MDS SD9DP Dual Protected Transceiver Assembly containing two SD9P-C-SS protected assemblies with automatic failover. One SD9P is configured with Tx frequency, one SD9P is configured with Rx frequency for full duplex and streaming repeater operation. Includes separate SDxP duplexer chassis. All interconnect cabling is included. Each chassis is 19" rack mount, 2RU high. Three chassis tota. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$6,688.13
SD Series - Data Acquisition	SD9DP-D-ES	MDS SD9DP Dual Protected Transceiver Assembly containing two SD9P-D-ES protected assemblies with automatic failover. One SD9P is configured with Tx frequency, one SD9P is configured with Rx frequency for full duplex and streaming repeater operation. Includes separate SDxP duplexer chassis. All interconnect cabling is included. Each chassis is 19" rack mount, 2RU high. Three chassis tota. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$6,841.88
SD Series - Data Acquisition	SD9DP-D-MS	MDS SD9DP Dual Protected Transceiver Assembly containing two SD9P-D-MS protected assemblies with automatic failover. One SD9P is configured with Tx frequency, one SD9P is configured with Rx frequency for full duplex and streaming repeater operation. Includes separate SDxP duplexer chassis. All interconnect cabling is included. Each chassis is 19" rack mount, 2RU high. Three chassis tota. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$6,688.13

SD Series - Data Acquisition	SD9DP-D-SS	MDS SD9DP Dual Protected Transceiver Assembly containing two SD9P-D-SS protected assemblies with automatic failover. One SD9P is configured with Tx frequency, one SD9P is configured with Rx frequency for full duplex and streaming repeater operation. Includes separate SDxP duplexer chassis. All interconnect cabling is included. Each chassis is 19" rack mount, 2RU high. Three chassis tota. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$6,688.13
SD Series - Data Acquisition	SD9DP-E-ES	MDS SD9DP Dual Protected Transceiver Assembly containing two SD9P-E-ES protected assemblies with automatic failover. One SD9P is configured with Tx frequency, one SD9P is configured with Rx frequency for full duplex and streaming repeater operation. Includes separate SDxP duplexer chassis. All interconnect cabling is included. Each chassis is 19" rack mount, 2RU high. Three chassis tota. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$6,841.88
SD Series - Data Acquisition	SD9DP-E-MS	MDS SD9DP Dual Protected Transceiver Assembly containing two SD9P-D-MS protected assemblies with automatic failover. One SD9P is configured with Tx frequency, one SD9P is configured with Rx frequency for full duplex and streaming repeater operation. Includes separate SDxP duplexer chassis. All interconnect cabling is included. Each chassis is 19" rack mount, 2RU high. Three chassis tota. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$6,688.13
SD Series - Data Acquisition	SD9DP-E-SS	MDS SD9DP Dual Protected Transceiver Assembly containing two SD9P-E-SS protected assemblies with automatic failover. One SD9P is configured with Tx frequency, one SD9P is configured with Rx frequency for full duplex and streaming repeater operation. Includes separate SDxP duplexer chassis. All interconnect cabling is included. Each chassis is 19" rack mount, 2RU high. Three chassis tota. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$6,688.13
SD Series - Data Acquisition	SD9DP-F-ES	MDS SD9DP Dual Protected Transceiver Assembly containing two SD9P-F-ES protected assemblies with automatic failover. One SD9P is configured with Tx frequency, one SD9P is configured with Rx frequency for full duplex and streaming repeater operation. Includes separate SDxP duplexer chassis. All interconnect cabling is included. Each chassis is 19" rack mount, 2RU high. Three chassis tota. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$6,841.88

SD Series - Data Acquisition	SD9DP-F-MS	MDS SD9DP Dual Protected Transceiver Assembly containing two SD9P-F-MS protected assemblies with automatic failover. One SD9P is configured with Tx frequency, one SD9P is configured with Rx frequency for full duplex and streaming repeater operation. Includes separate SDxP duplexer chassis. All interconnect cabling is included. Each chassis is 19" rack mount, 2RU high. Three chassis tota. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$6,688.13
SD Series - Data Acquisition	SD9DP-F-SS	MDS SD9DP Dual Protected Transceiver Assembly containing two SD9P-F-SS protected assemblies with automatic failover. One SD9P is configured with Tx frequency, one SD9P is configured with Rx frequency for full duplex and streaming repeater operation. Includes separate SDxP duplexer chassis. All interconnect cabling is included. Each chassis is 19" rack mount, 2RU high. Three chassis tota. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$6,688.13
SD Series - Data Acquisition	SD9DP-G-ES	MDS SD9DP Dual Protected Transceiver Assembly containing two SD9P-G-ES protected assemblies with automatic failover. One SD9P is configured with Tx frequency, one SD9P is configured with Rx frequency for full duplex and streaming repeater operation. Includes separate SDxP duplexer chassis. All interconnect cabling is included. Each chassis is 19" rack mount, 2RU high. Three chassis tota. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$6,841.88
SD Series - Data Acquisition	SD9DP-G-MS	MDS SD9DP Dual Protected Transceiver Assembly containing two SD9P-G-MS protected assemblies with automatic failover. One SD9P is configured with Tx frequency, one SD9P is configured with Rx frequency for full duplex and streaming repeater operation. Includes separate SDxP duplexer chassis. All interconnect cabling is included. Each chassis is 19" rack mount, 2RU high. Three chassis tota. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$6,688.13
SD Series - Data Acquisition	SD9DP-G-SS	MDS SD9DP Dual Protected Transceiver Assembly containing two SD9P-G-SS protected assemblies with automatic failover. One SD9P is configured with Tx frequency, one SD9P is configured with Rx frequency for full duplex and streaming repeater operation. Includes separate SDxP duplexer chassis. All interconnect cabling is included. Each chassis is 19" rack mount, 2RU high. Three chassis tota. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$6,688.13

SD Series - Data Acquisition	SD9DP-H-ES	MDS SD9DP Dual Protected Transceiver Assembly containing two SD9P-H-ES protected assemblies with automatic failover. One SD9P is configured with Tx frequency, one SD9P is configured with Rx frequency for full duplex and streaming repeater operation. Includes separate SDxP duplexer chassis. All interconnect cabling is included. Each chassis is 19" rack mount, 2RU high. Three chassis tota. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$6,841.88
SD Series - Data Acquisition	SD9DP-H-MS	MDS SD9DP Dual Protected Transceiver Assembly containing two SD9P-H-MS protected assemblies with automatic failover. One SD9P is configured with Tx frequency, one SD9P is configured with Rx frequency for full duplex and streaming repeater operation. Includes separate SDxP duplexer chassis. All interconnect cabling is included. Each chassis is 19" rack mount, 2RU high. Three chassis tota. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$6,688.13
SD Series - Data Acquisition	SD9DP-H-SS	MDS SD9DP Dual Protected Transceiver Assembly containing two SD9P-H-SS protected assemblies with automatic failover. One SD9P is configured with Tx frequency, one SD9P is configured with Rx frequency for full duplex and streaming repeater operation. Includes separate SDxP duplexer chassis. All interconnect cabling is included. Each chassis is 19" rack mount, 2RU high. Three chassis tota. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$6,688.13
SD Series - Data Acquisition	SD9DT-ES	MDS SD9DT Dual Transceiver Assembly, 928-960 MHz, non-protected, full-duplex, master/streaming repeater operation. Includes two SD9-ES radios each configured with either Tx or Rx frequency and separate SD9P duplexer chassis and connection cables. Each ch	$4,766.25
SD Series - Data Acquisition	SD9DT-MS	MDS SD9DT Dual Transceiver Assembly, 928-960 MHz, non-protected, full-duplex, master/streaming repeater operation. Includes two SD9-MS radios each configured with either Tx or Rx frequency and separate SD9P duplexer chassis and connection cables. Each ch	$4,381.88
SD Series - Data Acquisition	SD9DT-MS	MDS SD9DT Dual Transceiver Assembly, 928-960 MHz, non-protected, full-duplex, master/streaming repeater operation. Includes two SD9-MS radios each configured with either Tx or Rx frequency and separate SD9P duplexer chassis and connection cables. Each ch	$4,381.88
SD Series - Data Acquisition	SD9DT-SS	MDS SD9DT Dual Transceiver Assembly, 928-960 MHz, non-protected, full-duplex, master/streaming repeater operation. Includes two SD9-SS radios each configured with either Tx or Rx frequency and separate SD9P duplexer chassis and connection cables. Each ch	$4,381.88

SD Series - Data Acquisition	SD9DT-A-ES	MDS SD9DT Dual Transceiver Assembly, non-protected, full-duplex, master/streaming repeater operation. Includes two SD9-A-ES radios each configured with either Tx or Rx frequency and separate SD9P duplexer chassis and connection cables. Each chassis is 19" rack mount, 2RU high. Two chassis total. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$4,766.25
SD Series - Data Acquisition	SD9DT-A-MS	MDS SD9DT Dual Transceiver Assembly, non-protected, full-duplex, master/streaming repeater operation. Includes two SD9-A-MS radios each configured with either Tx or Rx frequency and separate SD9P duplexer chassis and connection cables. Each chassis is 19" rack mount, 2RU high. Two chassis total. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$4,381.88
SD Series - Data Acquisition	SD9DT-A-SS	MDS SD9DT Dual Transceiver Assembly, non-protected, full-duplex, master/streaming repeater operation. Includes two SD9-A-SS radios each configured with either Tx or Rx frequency and separate SD9P duplexer chassis and connection cables. Each chassis is 19" rack mount, 2RU high. Two chassis total. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$4,381.88
SD Series - Data Acquisition	SD9DT-C-ES	MDS SD9DT Dual Transceiver Assembly, non-protected, full-duplex, master/streaming repeater operation. Includes two SD9-C-ES radios each configured with either Tx or Rx frequency and separate SD9P duplexer chassis and connection cables. Each chassis is 19" rack mount, 2RU high. Two chassis total. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$4,766.25
SD Series - Data Acquisition	SD9DT-C-MS	MDS SD9DT Dual Transceiver Assembly, non-protected, full-duplex, master/streaming repeater operation. Includes two SD9-C-MS radios each configured with either Tx or Rx frequency and separate SD9P duplexer chassis and connection cables. Each chassis is 19" rack mount, 2RU high. Two chassis total. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$4,381.88
SD Series - Data Acquisition	SD9DT-C-SS	MDS SD9DT Dual Transceiver Assembly, non-protected, full-duplex, master/streaming repeater operation. Includes two SD9-C-SS radios each configured with either Tx or Rx frequency and separate SD9P duplexer chassis and connection cables. Each chassis is 19" rack mount, 2RU high. Two chassis total. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$4,381.88

SD Series - Data Acquisition	SD9DT-D-ES	MDS SD9DT Dual Transceiver Assembly, non-protected, full-duplex, master/streaming repeater operation. Includes two SD9-D-ES radios each configured with either Tx or Rx frequency and separate SD9P duplexer chassis and connection cables. Each chassis is 19" rack mount, 2RU high. Two chassis total. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$4,766.25
SD Series - Data Acquisition	SD9DT-D-MS	MDS SD9DT Dual Transceiver Assembly, non-protected, full-duplex, master/streaming repeater operation. Includes two SD9-D-MS radios each configured with either Tx or Rx frequency and separate SD9P duplexer chassis and connection cables. Each chassis is 19" rack mount, 2RU high. Two chassis total. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$4,381.88
SD Series - Data Acquisition	SD9DT-D-SS	MDS SD9DT Dual Transceiver Assembly, non-protected, full-duplex, master/streaming repeater operation. Includes two SD9-D-SS radios each configured with either Tx or Rx frequency and separate SD9P duplexer chassis and connection cables. Each chassis is 19" rack mount, 2RU high. Two chassis total. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$4,381.88
SD Series - Data Acquisition	SD9DT-E-ES	MDS SD9DT Dual Transceiver Assembly, non-protected, full-duplex, master/streaming repeater operation. Includes two SD9-E-ES radios each configured with either Tx or Rx frequency and separate SD9P duplexer chassis and connection cables. Each chassis is 19" rack mount, 2RU high. Two chassis total. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$4,766.25
SD Series - Data Acquisition	SD9DT-E-MS	MDS SD9DT Dual Transceiver Assembly, non-protected, full-duplex, master/streaming repeater operation. Includes two SD9-E-MS radios each configured with either Tx or Rx frequency and separate SD9P duplexer chassis and connection cables. Each chassis is 19" rack mount, 2RU high. Two chassis total. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$4,381.88
SD Series - Data Acquisition	SD9DT-E-SS	MDS SD9DT Dual Transceiver Assembly, non-protected, full-duplex, master/streaming repeater operation. Includes two SD9-E-SS radios each configured with either Tx or Rx frequency and separate SD9P duplexer chassis and connection cables. Each chassis is 19" rack mount, 2RU high. Two chassis total. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$4,381.88

SD Series - Data Acquisition	SD9DT-F-ES	MDS SD9DT Dual Transceiver Assembly, non-protected, full-duplex, master/streaming repeater operation. Includes two SD9-F-ES radios each configured with either Tx or Rx frequency and separate SD9P duplexer chassis and connection cables. Each chassis is 19" rack mount, 2RU high. Two chassis total. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$4,766.25
SD Series - Data Acquisition	SD9DT-F-MS	MDS SD9DT Dual Transceiver Assembly, non-protected, full-duplex, master/streaming repeater operation. Includes two SD9-F-MS radios each configured with either Tx or Rx frequency and separate SD9P duplexer chassis and connection cables. Each chassis is 19" rack mount, 2RU high. Two chassis total. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$4,381.88
SD Series - Data Acquisition	SD9DT-F-SS	MDS SD9DT Dual Transceiver Assembly, non-protected, full-duplex, master/streaming repeater operation. Includes two SD9-F-SS radios each configured with either Tx or Rx frequency and separate SD9P duplexer chassis and connection cables. Each chassis is 19" rack mount, 2RU high. Two chassis total. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$4,381.88
SD Series - Data Acquisition	SD9DT-G-ES	MDS SD9DT Dual Transceiver Assembly, non-protected, full-duplex, master/streaming repeater operation. Includes two SD9-G-ES radios each configured with either Tx or Rx frequency and separate SD9P duplexer chassis and connection cables. Each chassis is 19" rack mount, 2RU high. Two chassis total. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$4,766.25
SD Series - Data Acquisition	SD9DT-G-MS	MDS SD9DT Dual Transceiver Assembly, non-protected, full-duplex, master/streaming repeater operation. Includes two SD9-G-MS radios each configured with either Tx or Rx frequency and separate SD9P duplexer chassis and connection cables. Each chassis is 19" rack mount, 2RU high. Two chassis total. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$4,381.88
SD Series - Data Acquisition	SD9DT-G-SS	MDS SD9DT Dual Transceiver Assembly, non-protected, full-duplex, master/streaming repeater operation. Includes two SD9-G-SS radios each configured with either Tx or Rx frequency and separate SD9P duplexer chassis and connection cables. Each chassis is 19" rack mount, 2RU high. Two chassis total. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$4,381.88

SD Series - Data Acquisition	SD9DT-H-ES	MDS SD9DT Dual Transceiver Assembly, non-protected, full-duplex, master/streaming repeater operation. Includes two SD9-H-ES radios each configured with either Tx or Rx frequency and separate SD9P duplexer chassis and connection cables. Each chassis is 19" rack mount, 2RU high. Two chassis total. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$4,766.25
SD Series - Data Acquisition	SD9DT-H-MS	MDS SD9DT Dual Transceiver Assembly, non-protected, full-duplex, master/streaming repeater operation. Includes two SD9-H-MS radios each configured with either Tx or Rx frequency and separate SD9P duplexer chassis and connection cables. Each chassis is 19" rack mount, 2RU high. Two chassis total. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$4,381.88
SD Series - Data Acquisition	SD9DT-H-SS	MDS SD9DT Dual Transceiver Assembly, non-protected, full-duplex, master/streaming repeater operation. Includes two SD9-H-SS radios each configured with either Tx or Rx frequency and separate SD9P duplexer chassis and connection cables. Each chassis is 19" rack mount, 2RU high. Two chassis total. Operates in packet mode and supports IP/Ethernet. One 10/100 BaseT Ethernet and one serial port. Please specify TX/RX Frequencies and input voltage of 12Vdc, 24Vdc, 48Vdc, 125Vdc, 115/230Vac or 115/230Vac with battery backup. Packaged with PulseNET network management.	$4,381.88
SD Series - Data Acquisition	SD4DP-ES	MDS SD4DP Dual Protected Transceiver Assembly, 300-360, 350-400, 400-450, 450-512 MHz containing two SD4P protected assemblies with automatic failover. One SD4P is configured with Tx frequency, one SD4P is configured with Rx frequency for full duplex and	$6,841.88
SD Series - Data Acquisition	SD4DP-MS	MDS SD4DP Dual Protected Transceiver Assembly, 300-360, 350-400, 400-450, 450-512 MHz containing two SD4P protected assemblies with automatic failover. One SD4P is configured with Tx frequency, one SD4P is configured with Rx frequency for full duplex and	$6,688.13
SD Series - Data Acquisition	SD4DP-SS	MDS SD4DP Dual Protected Transceiver Assembly, 300-360, 350-400, 400-450, 450-512 MHz containing two SD4P protected assemblies with automatic failover. One SD4P is configured with Tx frequency, one SD4P is configured with Rx frequency for full duplex and	$6,688.13
SD Series - Data Acquisition	SD4DT-ES	MDS SD4DT Dual Transceiver Assembly, 300-360, 350-400, 400-450, 450-512 MHz, non-protected, full-duplex, master/streaming repeater operation. Includes two SD4-ES radios each configured with either Tx or Rx frequency and separate SD4P duplexer chassis and	$4,766.25
SD Series - Data Acquisition	SD4DT-MS	MDS SD4DT Dual Transceiver Assembly, 300-360, 350-400, 400-450, 450-512 MHz, non-protected, full-duplex, master/streaming repeater operation. Includes two SD4-MS radios each configured with either Tx or Rx frequency and separate SD4P duplexer chassis and	$4,381.88
SD Series - Data Acquisition	SD4DT-SS	MDS SD4DT Dual Transceiver Assembly, 300-360, 350-400, 400-450, 450-512 MHz, non-protected, full-duplex, master/streaming repeater operation. Includes two SD4-SS radios each configured with either Tx or Rx frequency and separate SD4P duplexer chassis and	$4,381.88

SD Series - Data Acquisition	SD2DP-D-ES	MDS SD2DP Dual Protected Transceiver Assembly, 216-220 MHz with 50 KHz channel size option containing two SD2P protected assemblies with automatic failover. One SD2P is configured with Tx frequency, one SD2P is configured with Rx frequency for full duplex	$6,841.88
SD Series - Data Acquisition	SD2DP-D-SS	MDS SD2DP Dual Protected Transceiver Assembly, 216-220 MHz with 50 KHz channel size option containing two SD2P protected assemblies with automatic failover. One SD2P is configured with Tx frequency, one SD2P is configured with Rx frequency for full duplex	$6,688.13
SD Series - Data Acquisition	SD2DP-ES	MDS SD2DP Dual Protected Transceiver Assembly, 216-220, 220-222, 220-236 MHz containing two SD2P protected assemblies with automatic failover. One SD2P is configured with Tx frequency, one SD2P is configured with Rx frequency for full duplex and streaming	$6,841.88
SD Series - Data Acquisition	SD2DP-MS	MDS SD2DP Dual Protected Transceiver Assembly, 216-220, 220-222, 220-236 MHz containing two SD2P protected assemblies with automatic failover. One SD2P is configured with Tx frequency, one SD2P is configured with Rx frequency for full duplex and streaming	$6,688.13
SD Series - Data Acquisition	SD2DP-SS	MDS SD2DP Dual Protected Transceiver Assembly, 216-220, 220-222, 220-236 MHz containing two SD2P protected assemblies with automatic failover. One SD2P is configured with Tx frequency, one SD2P is configured with Rx frequency for full duplex and streaming	$6,688.13
SD Series - Data Acquisition	SD2DT-D-ES	MDS SD2DT Dual Transceiver Assembly, 216-220 MHz with 50 KHz channel size option, non-protected, full-duplex, master/streaming repeater operation. Includes two SD2-ES radios each configured with either Tx or Rx frequency and separate SD2P duplexer chassi	$4,766.25
SD Series - Data Acquisition	SO2DT-D-SS	MDS SD2DT Dual Transceiver Assembly, 216-220 MHz with 50 KHz channel size option, non-protected, full-duplex, master/streaming repeater operation. Includes two SD2-SS radios each configured with either Tx or Rx frequency and separate SD2P duplexer chassi	$4,381.88
SD Series - Data Acquisition	SD2DT-ES	MDS SD2DT Dual Transceiver Assembly, 216-220, 220-222, 220-236 MHz, non-protected, full-duplex, master/streaming repeater operation. Includes two SD2-ES radios each configured with either Tx or Rx frequency and separate SD2P duplexer chassis and connectio	$4,766.25
SD Series - Data Acquisition	SD2DT-MS	MDS SD2DT Dual Transceiver Assembly, 216-220, 220-222, 220-236 MHz, non-protected, full-duplex, master/streaming repeater operation. Includes two SD2-MS radios each configured with either Tx or Rx frequency and separate SD2P duplexer chassis and connectio	$4,381.88
SD Series - Data Acquisition	SD2DT-SS	MDS SD2DT Dual Transceiver Assembly, 216-220, 220-222, 220-236 MHz, non-protected, full-duplex, master/streaming repeater operation. Includes two SD2-SS radios each configured with either Tx or Rx frequency and separate SD2P duplexer chassis and connectio	$4,381.88
SD Series - Data Acquisition	SD1DP-ES	MDS SD1DP Dual Protected Transceiver Assembly, 150-174 MHz containing two SD1P protected assemblies with automatic failover. One SD1P is configured with Tx frequency, one SD1P is configured with Rx frequency for full duplex and streaming	$6,841.88
SD Series - Data Acquisition	SD1DP-MS	MDS SD1DP Dual Protected Transceiver Assembly, 150-174 MHz containing two SD1P protected assemblies with automatic failover. One SD1P is configured with Tx frequency, one SD1P is configured with Rx frequency for full duplex and streaming	$6,688.13
SD Series - Data Acquisition	SD1DP-SS	MDS SD1DP Dual Protected Transceiver Assembly, 150-174 MHz containing two SD2P protected assemblies with automatic failover. One SD1P is configured with Tx frequency, one SD1P is configured with Rx frequency for full duplex and streaming	$6,688.13

SD Series - Data Acquisition	SD1DT-ES	MDS SD1DT Dual Transceiver Assembly, 150-174 MHz, non-protected, full-duplex, master/streaming repeater operation. Includes two SD1-ES radios each configured with either Tx or Rx frequency and separate SD1P duplexer chassis and connectio	$4,766.25
SD Series - Data Acquisition	SD1DT-SS	MDS SD1DT Dual Transceiver Assembly, 150-174 MHz, non-protected, full-duplex, master/streaming repeater operation. Includes two SD1-SS radios each configured with either Tx or Rx frequency and separate SD2P duplexer chassis and connection	$6,688.13
Orbit SD Master 928-960MHz serial only	MPRSS2N9CRD9BN22F1SNN	Orbit SD Master 928-960MHz Redundant, w/duplexer, serial only Includes 9MHz duplexer, and 2 36-75VDC Isolated Supplies	$6,688.13
Orbit SD Master 928-960MHz Ethernet & Serial	MPRSS2N9CRD9CN44F1ENN	Orbit SD Master 928-960MHz Redundant, w/duplexer, Ethernet & Serial Includes 24MHz duplexer, and 2 AC Supplies	$6,841.88

Product Type	Part Number	Product Description	Unit Price
TransNET Series - Data Acquisition	EL805	MDS Transnet 900, adjustable RF output, synthesized, 902-928 MHz, 1.2 to 115.2 kbps RS-232/RS-485 interface.	$887.91
TransNET Series - Data Acquisition	EL805-2400	MDS Transnet 2400, adjustable RF output, synthesized, 2.4 GHz, 1.2 to 115.2 kbps RS-232/RS-485 interface.	$887.91
TransNET Series - Data Acquisition	EL805-BO	MDS Transnet 900, Board Only version adjustable RF output, synthesized,	$504.30
TransNET Series - Data Acquisition	EL805-BO-2400	MDS Transnet 2400, Board Only version adjustable RF output, synthesized, 2.4 GHz, 1.2 to 115.2 kbps RS-232/RS-485 interface.	$504.30
TransNET Series - Data Acquisition	EL805-BO-Kit Special Offer (Endboom Yagi)	MDS TransNet 900 Board Only Kit (Special Offering) adjustable RF output, synthesized, with diagnostics, 902-928 MHz, 1.2 to 115.2 kbps with 10dBd yagi endboom antenna (97-3194A14)	$573.49
TransNET Series - Data Acquisition	EL805-BO-Kit Special Offer (Yagi w/10' pigtail)	MDS TransNet 900 Board Only Kit (Special Offering) adjustable RF output, synthesized, with diagnostics, 902-928 MHz, 1.2 to 115.2 kbps with 10dBd yagi w/10' pigtail (97-3194A14A)	$596.55
TransNET Series - Data Acquisition	EL805-BO-Kit Special Offer (Yagi w/15' pigtail)	MDS TransNet 900 Board Only Kit (Special Offering) adjustable RF output, synthesized, with diagnostics, 902-928 MHz, 1.2 to 115.2 kbps with 10dBd yagi w/15' pigtail (97-3194A14B)	$604.24
TransNET Series - Data Acquisition	EL805-BO-Kit Special Offer (Yagi w/20' pigtail)	MDS TransNet 900 Board Only Kit (Special Offering) adjustable RF output, synthesized, with diagnostics, 902-928 MHz, 1.2 to 115.2 kbps with 10dBd yagi w/20' pigtail (97-3194A14D)	$611.93
TransNET Series - Data Acquisition	EL805-BO-Kit Special Offer (Yagi w/25' pigtail)	MDS TransNet 900 Board Only Kit (Special Offering) adjustable RF output, synthesized, with diagnostics, 902-928 MHz, 1.2 to 115.2 kbps with 10dBd yagi w/25' pigtail (97-3194A14C)	$615.77
TransNET Series - Data Acquisition	EL805-BO-Kit Special Offer (Yagi w/35' pigtail)	MDS TransNet 900 Board Only Kit (Special Offering) adjustable RF output, synthesized, with diagnostics, 902-928 MHz, 1.2 to 115.2 kbps with 10dBd yagi w/35' pigtail (97-3194A14E)	$619.61
TransNET Series - Data Acquisition	EL805-Kit Special Offer (Endboom Yagi)	MDS TransNet 900 Kit (Special Offering) adjustable RF output, synthesized, with diagnostics, 902-928 MHz, 1.2 to 115.2 kbps with 10dBd yagi endboom antenna (97-3194A14)	$757.22
TransNET Series - Data Acquisition	EL805-Kit Special Offer (Yagi w/10' pigtail)	MDS TransNet 900 Kit (Special Offering) adjustable RF output, synthesized, with diagnostics, 902-928 MHz, 1.2 to 115.2 kbps with 10dBd yagi w/10ft pigtail. (97-3194A14A)	$795.66
TransNET Series - Data Acquisition	EL805-Kit Special Offer (Yagi w/15' pigtail)	MDS TransNet 900 Kit (Special Offering) adjustable RF output, synthesized, with diagnostics, 902-928 MHz, 1.2 to 115.2 kbps with 10dBd yagi w/15ft pigtail. (97-3194A14B)	$803.34
TransNET Series - Data Acquisition	EL805-Kit Special Offer (Yagi w/20' pigtail)	MDS TransNet 900 Kit (Special Offering) adjustable RF output, synthesized, with diagnostics, 902-928 MHz, 1.2 to 115.2 kbps with 10dBd yagi w/20ft pigtail. (97-3194A14D)	$807.19
TransNET Series - Data Acquisition	EL805-Kit Special Offer (Yagi w/25' pigtail)	MDS TransNet 900 Kit (Special Offering) adjustable RF output, synthesized, with diagnostics, 902-928 MHz, 1.2 to 115.2 kbps with 10dBd yagi w/25ft pigtail. (97-3194A14C)	$887.91
TransNET Series - Data Acquisition	EL805-Kit Special Offer (Yagi w/35' pigtail)	MDS TransNet 900 Kit (Special Offering) adjustable RF output, synthesized, with diagnostics, 902-928 MHz, 1.2 to 115.2 kbps with 10dBd yagi w/35ft pigtail. (97-3194A14E)	$895.59
TransNET Series - Data Acquisition	EL806-OEM	MDS TransNet 900-OEM version, adjustable RF output, synthesized, 902-	$504.30
TransNET Series - Data Acquisition	EL806-OEM2.4	GE MDS TransNET 2.4 GHz OEM Version, adjustable RF output, synthesized, 902-928 MHz, 1.2 to 115 Kbps. Antenna Jack MCX, Straight Jack Receptacle. Choose Interface - 1) Payload RS232/485, Diagnostic RS232, 2) Payload TTL, Diagnostic RS232, 3) Payload TTL,	$504.30
TransNET - Accessories	97-4278A04	Antenna 2.4-2.4835GHz 8dBi Omni N-F Mnt Sold Separately	$70.55
TransNET - Accessories	97-4278A02	Antenna 2.4-2.485GHz 14dBi Yagi w/36" Jumper N-F & Mnt	$95.09
TransNET - Accessories	97-3194A17	Antenna 902-928MHz 9dBi Omni w/16" Jumper N-F Conn & Mnt.	$137.01
TransNET - Accessories	97-3194A14	Antenna 902-960MHz 12dBi Yagi w/N-F Conn & Mnt	$87.93
TransNET - Accessories	20-2822A02	Bandpass Filter 902-927MHz 26MHz	$184.04
TransNET - Accessories	97-1677A174	Cable AVA5-50A 7/8" Foam Per Foot	$3.58
TransNET - Accessories	97-1677A159	Cable Jumper 3/8" LMR-400 3' TNC-M to N-M	$38.85
TransNET - Accessories	97-1677A103	Cable LDF4-50A 1/2" Foam Per Foot	$1.89
TransNET - Accessories	97-3675A10	Cable LMR-400 Standard Outdoor Cable Per Foot	$1.01
TransNET - Accessories	97-1677A171	Connector Kit LDF4 TNC-M w/Flange Mnt Up To 1GHz	$204.49
TransNET - Accessories	97-3675A86	Connector Kit LMR400 TNC-M w/Bulkhead Mnt Up To 1GHz	$193.24
TransNET - Accessories	97-3675A82	Connector Kit LMR400 TNC-M w/Flange Mnt 2.4GHz	$223.91

TransNET - Accessories	97-3675A76	Connector Kit LMR400 TNC-M w/Flange Mnt Up To 1GHz	$159.50
TransNET - Accessories	97-1677A18B	DS, 2.4 GHZ N Connector Kit AVA5	$454.98
TransNET - Accessories		MDS P60 Basic Package Model	$955.25
TransNET - Accessories	01-3682A02	Power Supply For 'NET' & SD 12v-30W w/AC/DC Switcher	$59.30
TransNET - Accessories	97-1680A01	Surge Protector 125-1,000MHz NF-NF Flange	$55.21
TransNET - Accessories	97-1680A05	Surge Protector 125-1,000MHz NF-NF Bulkhead	$61.35
TransNET - Accessories	97-1680A28	Surge Protector 2-6GHz NF-NF Bulkhead	$56.23

Product Type	Part Number	Product Description	Unit Price
entraNET - Data Acquisition	eNET-2400-AP	MDS entraNET 2400, adjustable RF output, synthesized, 2.4Ghz, up to 115.2 kbps. Packaged with PulseNET network management.	$1,114.69
entraNET - Data Acquisition	eNET-2400-DG	MDS entraNET 2.4 GHz Remote Dual Gateway. Includes 2 serial ports and 1 Ethernet port. Packaged with PulseNET network management.	$999.38
entraNET - Data Acquisition	eNET-AP	MDS entraNET 900, adjustable RF output, synthesized, 902-928 MHz, 1.2 to 115.2 kbps Ethernet interface. Packaged with PulseNET network management.	$1,114.69
entraNET - Data Acquisition	eNET-DG	MDS entraNET 900 Remote Dual Gateway. Includes 2 serial ports and 1 Ethernet port. Packaged with PulseNET network management.	$999.38
entraNET - Data Acquisition	eNET-OEM	entraNET 900 MHz Transceiver - OEM Board with 16 pin header connector and SMA Antenna connection. Packaged with PulseNET network management.	$634.22
entraNET - Data Acquisition	eNETL2B	MDS entraNET 220, Spare Access Point - DB25. Packaged with PulseNET network management.	$1,153.13
entraNET - Data Acquisition	eNETL2O - C	MDS entraNET 220, License Operator Control Unit - Cattron. Packaged with PulseNET network management.	$718.78
entraNET - Data Acquisition	eNETL2O - S	MDS entraNET 220, License Operator Control Unit - Shortline. Packaged with PulseNET network management.	$718.78
entraNET - Data Acquisition	eNETL2Q	MDS entraNET 220, Spare Radio Module - DB25. Packaged with PulseNET network management.	$1,133.91
entraNET - Data Acquisition	eNETL2T	MDS entraNET 220, Repeater Amplifier, 30W, 100% duty cycle. Packaged with PulseNET network management.	$1,114.69
entraNET - Data Acquisition	eNETL2U	MDS entraNET 220, Repeater Amplifier, 30W, Light Duty, 5% duty cycle. Packaged with PulseNET network management.	$1,114.69
entraNET - Data Acquisition	eNETL2W	MDS entraNET 220, Repeater Amplifier, 12W, 100% duty cycle. Packaged with PulseNET network management.	$766.44
entraNET - Data Acquisition	eNETL2X	Packaged Radio Module w/Eth-DB25, Train Control. Packaged with PulseNET network management.	$1,210.78
entraNET - Data Acquisition	97-4278A04	Antenna 2.4-2.4835GHz 8dBi Omni N-F Mnt Sold Separately	$70.55
entraNET - Data Acquisition	97-4278A02	Antenna 2.4-2.485GHz 14dBi Yagi w/36" Jumper N-F & Mnt	$95.09
entraNET - Data Acquisition	97-3194A04	Antenna 430-450MHz 12dBi Yagi w/N-F Conn & Mnt	$99.18
entraNET - Data Acquisition	97-3194A17	Antenna 902-928MHz 9dBi Omni w/16" Jumper N-F Conn & Mnt.	$137.01
entraNET - Data Acquisition	20-2822A02	Bandpass Filter 902-927MHz 26MHz	$184.04
entraNET - Data Acquisition	97-1677A174	Cable AVA5-50A 7/8" Foam Per Foot	$3.58
entraNET - Data Acquisition	97-1677A159	Cable Jumper 3/8" LMR-400 3' TNC-M to N-M	$38.85
entraNET - Data Acquisition	97-1677A103	Cable LDF4-50A 1/2" Foam Per Foot	$1.89
entraNET - Data Acquisition	97-3675A10	Cable LMR-400 Standard Outdoor Cable Per Foot	$1.01
entraNET - Data Acquisition	97-1870A21	Cable RJ45 CAT5 Crossover 6ft	$7.16
entraNET - Data Acquisition	97-1870A20	Cable RJ45 CAT5 Straight 6ft	$6.13
entraNET - Data Acquisition	97-1677A171	Connector Kit LDF4 TNC-M w/Flange Mnt Up To 1GHz	$204.49
entraNET - Data Acquisition	97-3675A86	Connector Kit LMR400 TNC-M w/Bulkhead Mnt Up To 1GHz	$193.24
entraNET - Data Acquisition	97-3675A82	Connector Kit LMR400 TNC-M w/Flange Mnt 2.4GHz	$223.91
entraNET - Data Acquisition	97-3675A76	Connector Kit LMR400 TNC-M w/Flange Mnt Up To 1GHz	$159.50
entraNET - Data Acquisition	03-4125A04	Din Rail Mnt Kit For SD INET & entraNET Access Points	$10.22
entraNET - Data Acquisition	03-4124A01	Din Rail Mnt Kit For TransNET & entraNET Remotes	$10.22
entraNET - Data Acquisition	97-1677A188	DS, 2.4 GHZ N Connector Kit AVA5	$454.98
entraNET - Data Acquisition	-	MDS P22 Redundant EntraNET Chassis	#VALUE!
entraNET - Data Acquisition	01-3682A02	Power Supply For 'NET' & SD 12v-30W w/AC/DC Switcher	$59.30
entraNET - Data Acquisition	97-1680A01	Surge Protector 125-1,000MHz NF-NF Flange	$55.21
entraNET - Data Acquisition	97-1680A05	Surge Protector 125-1,000MHz NF-NF Bulkhead	$61.35

Product Type	Part Number	Product Description	Unit Price
WiYZ - Data Acquisition	WIYZG-M-A	MDS WiYZ Gateway - Intelligent MDS Mesh Gateway with (1) IP/Ethernet and (2) Serial Connections, Nema 4X Housing, 10-30vDC Power, , AT &T (GSM/EDGE) Cell, FCC/IC Regulatory, General UL or Class 1 Div 2 Safety, Surface Mounting Brackets	$1,768.13
WiYZ - Data Acquisition	WiYZG-M-B	MDS WiYZ Gateway - Intelligent MDS Mesh Gateway with (1) IP/Ethernet and (2) Serial Connections, Nema 4X Housing, 10-30 vDC Power. FCC/IC, General UL of Class 1 Div 2 Safety, No Radio Option, Surface Mounting Bracket	$1,153.13
WiYZ - Data Acquisition	WiYZG-M-E	MDS WiYZ Gateway, Intelligent MDS Mesh Gateway with (1) IP/Ethernet and (2) Serial Connections, 10-30 vDC Power, w/entraNET 900 MHz Remote. FCC/IC Regulatory, General UL or Class 1 Div 2 Safety, Surface Mounting Brackets	$1,768.13
WiYZ - Data Acquisition	WiYZG-M-E-A	MDS WiYZ Gateway - Intelligent MDS Mesh Gateway with (1) IP/Ethernet and (2) Serial Connections, Nema 4X Housing, 10-30vDC Power, entraNET 900 MHz Remote, AT &T (GSM/EDGE) Cell, FCC/IC Regulatory, General UL or Class 1 Div 2 Safety, Surface Mounting Bracket	$2,383.13
WiYZ - Data Acquisition	WiYZG-M-E-V	MDS WiYZ Gateway - Intelligent MDS Mesh Gateway with (1) IP/Ethernet and (2) Serial Connections. 10-30 vDC Power, w/entraNET 900 MHz Remote, Verizon (CDMA2000/1xRTT) Cell, FCC/IC Regulatory, General UL or Class 1 Div 2 Safety, Surface Mounting Brackets	$2,383.13
WiYZ - Data Acquisition	WiYZG-M-V	MDS WiYZ Gateway - Intelligent MDS Mesh Gateway with (1) IP/Ethernet and (2) Serial Connections, Nema 4X Housing, 10-30vDC Power, , Verizon (GSM/EDGE) Cell, FCC/IC Regulatory, General UL or Class 1 Div 2 Safety, Surface Mounting Brackets	$1,768.13
WiYZ - Data Acquisition	WiYZR-M	MDS WiYZ Remote- Intelligent MDS Mesh Remote for Sensors, I/O. Transducers, Nema 4X Housing, 7-30 vDC, General & Class1 Div 2 Safety, Antenna- Omni or Type N Conn, Surface Mounting Brackets	$538.13
WiYZ - Accessories	-	WiYZ Internal Battery 14AH, 10V non-rechargeable	$51.12

Product Type	Part Number	Product Description	Unit Price
NETio - Data Acquisition	NETIOA-2	NETioA 2.4 GHz AP Provides IP/Ethernet Connectivity, Peer-to-Peer Communication and Serial Gateway functions for NETioB Modules. Also supports remote configuration of NETioB modules over-the-air.	$1,114.69
NETio - Data Acquisition	NETIOA-9	NETioA 900 MHz AP provides IP/Ethernet connectivity, peer-to-peer communication and serial gateway functions for NETioB modules. Also supports remote configuration of NETioB modules over-the-air.	$1,114.69
NETio - Data Acquisition	NETIOB-2	NETioB 2.4 GHz Module performs I/O extension, signal regeneration and direct addressability of I/O using protocol selected from NETio Protocol Library (MODBUS RTU, MODBUS TCP and DNP3 currently available, check availability for other protocols) plus paylo	$922.50
NETio - Data Acquisition	NETIOB-2W	NETioB 2.4 GHz Module with WeXP, embedded 802.15.4 wireless connectivity for NETio Expansion Modules.	$1,018.59
NETio - Data Acquisition	NETIOB-9	NETioB 900 MHz Module performs I/O extension, signal regeneration and direct addressability of I/O using protocol selected from NETio Protocol Library (MODBUS RTU, MODBUS TCP and DNP3 currently available, check availability for other protocols) plus paylo	$922.50
NETio - Data Acquisition	NETIOB-9W	NETioB 900 MHz Module with WeXP, embedded 802.15.4 wireless connectivity for NETio Expansion Modules.	$1,018.59
NETio - Data Acquisition	NETIOE-1	NETio Expansion Module for NETio Base Modules. Isolated I/O. Accommodates 1 AI (4-20 mA, 0-5 V,0-10 V), 1 AO (4-20 mA), 2 DI, 2 DO.	$422.81
NETio - Data Acquisition	NETIOE-1W	NETio Expansion Module for NETio Base Modules, with WeXP, Wireless Expansion. Isolated I/O. Accommodates 1 AI (4-20 mA, 0-5 V,0-10 V), 1 AO (4-20 mA), 2 DI, 2 DO.	$518.91
NETio - Data Acquisition	NETIOE-2	NETio Expansion Module for NETio Base Modules. Isolated Inputs. Accommodates 6 DI.	$384.38
NETio - Data Acquisition	NETIOE-2W	NETio Expansion Module for NETio Base Modules, with WeXP, Wireless Expansion. Isolated Inputs. Accommodates 6 DI.	$480.47
NETio - Data Acquisition	NETIOE-3	NETio Expansion Module for NETio Base Modules. Isolated Outputs. Accommodates 6 DO	$384.38
NETio - Data Acquisition	NETIOE-3W	NETio Expansion Module for NETio Base Modules, with WeXP, Wireless Expansion. Isolated Outputs. Accommodates 6 DO.	$480.47
NETio - Data Acquisition	NETIOE-4	NETio Expansion Module for NETio Base Modules. Accommodates 2 AI (4-20 mA, 0-5 V,0-10 V), 4 DI.	$422.81
NETio - Data Acquisition	NETIOE-4W	NETio Expansion Module for NETio Base Modules, with WeXP, Wireless Expansion. Accommodates 2 AI (4-20 mA, 0-5 V,0-10 V), 4 DI.	$518.91
NETio - Data Acquisition	NETIOE-6	NETio Expansion Module for NETio Base Modules. Accommodates 2 AI (0-5 V), 2 AO(0-5 V), 2 DI, 2 DO. Analog Inputs and Outputs are not Isolated.	$365.16
NETio - Data Acquisition	NETIOE-6W	NETio Expansion Module for NETio Base Modules, with WeXP, Wireless Expansion. Accommodates 2 AI (0-5 V), 2 AO(0-5 V), 2DI, 2DO. Analog Inputs and Outputs are not isolated.	$461.25
NETio - Data Acquisition	NETIOE-7	NETio Expansion Module for NETio Base Modules. Isolated I/O. Accommodates 2 AI (4-20 mA), 1 DI, 3 DO.	$422.81
NETio - Data Acquisition	NETIOE-7W	NETio Expansion Module for NETio Base Modules, with WeXP, Wireless Expansion. Isolated I/O. Accommodates 2 AI (4-20 mA), 1DI, 3DO.	$518.91
NETio - Data Acquisition	NETIOT-9	NETioT 900 MHz TransNET compatible Module provides direct addressability of I/O using protocol selected from NETio Protocol Library (MODBUS RTU currently available, check availability for other protocols).	$884.06

NETio - Data Acquisition	NETIOT-9W	NETioT 900 MHz TransNET compatible Module with WeXP, embedded 802.15.4 wireless connectivity for NETio Expansion Modules. Note that I/O extension is supported between NETIoT Modules and wireless Expansion Modules but not between NETIoT Modules.	$980.16
NETio - Data Acquisition	97-4278A04	Antenna 2.4-2.4835GHz 8dBi Omni N-F Mnt Sold Separately	$70.55
NETio - Data Acquisition	97-4278A02	Antenna 2.4-2.485GHz 14dBi Yagi w/36" Jumper N-F & Mnt	$95.09
NETio - Data Acquisition	97-3194A17	Antenna 902-928MHz 9dBi Omni w/16" Jumper N-F Conn & Mnt.	$137.01
NETio - Data Acquisition	97-3194A14	Antenna 902-960MHz 12dBi Yagi w/N-F Conn & Mnt	$87.93
NETio - Data Acquisition	20-2822A02	Bandpass Filter 902-927MHz 26MHz	$184.04
NETio - Data Acquisition	97-1677A174	Cable AVA5-50A 7/8" Foam Per Foot	$3.58
NETio - Data Acquisition	97-1677A159	Cable Jumper 3/8" LMR-400 3' TNC-M to N-M	$38.85
NETio - Data Acquisition	97-1677A103	Cable LDF4-50A 1/2" Foam Per Foot	$1.89
NETio - Data Acquisition	97-3675A10	Cable LMR-400 Standard Outdoor Cable Per Foot	$1.01
NETio - Data Acquisition	97-1677A171	Connector Kit LDF4 TNC-M w/Flange Mnt Up To 1GHz	$204.49
NETio - Data Acquisition	97-3675A86	Connector Kit LMR400 TNC-M w/Bulkhead Mnt Up To 1GHz	$193.24
NETio - Data Acquisition	97-3675A82	Connector Kit LMR400 TNC-M w/Flange Mnt 2.4GHz	$223.91
NETio - Data Acquisition	97-3675A76	Connector Kit LMR400 TNC-M w/Flange Mnt Up To 1GHz	$159.50
NETio - Data Acquisition	97-1677A188	DS, 2.4 GHZ N Connector Kit AVA5	$454.98
NETio - Data Acquisition	01-3682A02	Power Supply For 'NET' & SD 12v-30W w/AC/DC Switcher	$59.30
NETio - Data Acquisition	97-1680A01	Surge Protector 125-1,000MHz NF-NF Flange	$55.21
NETio - Data Acquisition	97-1680A05	Surge Protector 125-1,000MHz NF-NF Bulkhead	$61.35
NETio - Data Acquisition	97-1680A28	Surge Protector 2-6GHz NF-NF Bulkhead	$56.23

Product Type	Part Number	Product Description	Unit Price
P-Chasis - Data Acquisition	P60	Basic P-60 Package Model, includes Interface board, 115/230VAC input with battery backup or +12, +24, +48, +125 VDC. Enclosed in a NEMA 4X housing, 13.75 in. (350 mm) H x 11.85 in. (301 mm) W x 6.5 in. (165 mm) D. Released for X710/X810, iNET/iNET-II & T	$831.02
P-Chasis - Data Acquisition	P60-LE	Basic P-60 Package Model, Less Enclosure Includes Interface board 115/230VAC input with battery backup or +12, +24, +48, +125 VDC. . For use with any MDS transceiver.	$754.14
P-Chasis - Data Acquisition	P70	MDS P-70 Universal Package Model, provides mounting for two transceivers, interface board with orderwire, 84 to 264 VAC input w/ 4.5 AH battery back-up or +12, 21 to 56 VDC, +125 VDC. Enclosed in a NEMA 4X housing, 21.5 in. (546 mm) H x 17.5in. (445 mm) W	$1,313.79
P-Chasis - Data Acquisition	P70-LE	MDS P-70 Universal Package Model, Less Enclosure provides mounting for two transceivers, interface board with orderwire, 84 to 264 Vac input or +12, 21 to 56 Vdc, +125 VDC.	$1,160.04
P-Chasis - Data Acquisition	P20	Redundant Transceiver Chassis,For use with all X710 radio transceivers. Equipped with two power supplies. 115/230 Vac with 1 hr. battery back-up or 12, 24, 48 or 125 Vdc w/out battery back-up. No radios equipped.	$1,934.94
P-Chasis - Data Acquisition	P21	Redundant Transceiver Chassis,For use with iNet radios. Equipped with two power supplies. 115/230 Vac with 1 hr. battery back-up or 12, 24, 48 or 125 Vdc w/out battery back-up. No radios equipped.	$1,934.94
P-Chasis - Data Acquisition	P22	Redundant Transceiver Chassis,For use with entraNet AP radios. Equipped with two power supplies. 115/230 Vac with 1 hr. battery back-up or 12, 24, 48 or 125 Vdc w/out battery back-up. No radios equipped.	$1,934.94
P-Chasis - Data Acquisition	P23	Redundant Transceiver Chassis,For use with Mercury AP radios. Equipped with two power supplies. 115/230 Vac with 1 hr. battery back-up or 12, 24, 48 or 125 Vdc w/out battery back-up. No radios equipped.	$1,934.94

Product Type	Part Number	Product Description	Unit Price
Mercury Series - LAN Extension	MERBINB	Mercury 3650 Base Station - Indoor enclosure, 2 ethernet, DB9 serial, USB, built-in GPS. Packaged with PulseNET network management.	$2,767.50
Mercury Series - LAN Extension	MERSINB	Mercury 3650 Subscriber - Indoor enclosure, 2 ethernet, DB9 serial, USB. Packaged with PulseNET network management.	$1,153.13
Mercury Series - LAN Extension	MERSONB-B	Mercury 3650 Subscriber - Outdoor enclosure, 1 PoE ethernet, DB9 serial, USB, Pole Mount Bracket. Packaged with PulseNET network management.	$1,083.94
Mercury Series - LAN Extension	MERSONB	Mercury 3650 Subscriber - Outdoor enclosure, 1 PoE ethernet, DB9 serial, USB. Packaged with PulseNET network management.	$999.38
Mercury Series - LAN Extension	MERBINE	Mercury 5800 Base station - Indoor Enclosure, 2 Ethernet, DB9 serial, USB, built-in GPS. Packaged with PulseNET network management.	$3,305.63
Mercury Series - LAN Extension	MERSINE	Mercury 5800 Subscriber - Indoor Enclosure, 2 Ethernet, DB9 serial, USB. Packaged with PulseNET network management.	$1,383.75
Mercury Series - LAN Extension	MERSONE-B	Mercury 5800 Subscriber - Outdoor enclosure, 1 PoE ethernet, DB9 serial, USB, Pole Mount Bracket. Packaged with PulseNET network management.	$1,622.06
Mercury Series - LAN Extension	MERSONE	Mercury 5800 Subscriber - Outdoor enclosure, 1 PoE ethernet, DB9 serial, USB. Packaged with PulseNET network management.	$1,537.50
Mercury Series - LAN Extension	TRNG MDS-Mercury	MDS Mercury Series Technical Training	$876.38
Mercury Series - LAN Extension	97-4278A70	5800 MHz 15 dBi sector antenna dual-polarized	$657.28
Mercury Series - LAN Extension	97-4278A71	5800 MHz 18 dBi panel antenna dual-polarized	$408.98
Mercury Series - LAN Extension	97-4278A64	Antenna 3.6GHz 12dBi Dual Polarization Sector w/ NF Conn for E-Version Mercury	$577.68
Mercury Series - LAN Extension	97-4278A62	Antenna 3.6GHz 18dBi Dual Polarization Panel w/NF Conn for E-Version Mercury	$178.93
Mercury Series - LAN Extension	97-1677A160	Cable 1/4" LMR-400 6' Jumper TNC-M to N-M	$43.96
Mercury Series - LAN Extension	97-3675A70	Cable LMR-400 3' Jumper NM to TNC-M	$35.79
Mercury Series - LAN Extension	97-1677A175	Connector AVAS-50A 7/8" NM	$33.74
Mercury Series - LAN Extension	97-3675A13	Connector TC-400-NM N-M Crimp	$9.20
Mercury Series - LAN Extension	73-4480A14	DB9 Dust cap (CONNECTOR, CAP DB9 WR SOCKET W/FLANGE)	$11.48
Mercury Series - LAN Extension	73-4480A02	Eth/USB dust cap (CONNECTOR, DUST CAP IP6)	$6.98
Mercury Series - LAN Extension	97-1677A05	Ground Kit For 7/8" Cable & 48" Ground Wire	$23.01
Mercury Series - LAN Extension	97-3675A65	Ground Kit LMR-400	$31.70
Mercury Series - LAN Extension	97-1677A15	Hanger Kit 7/8" 10 Per Kit	$31.19
Mercury Series - LAN Extension	97-1677A42	Hanger Kit Nylon Cable Ties 50 Per Kit	$19.68
Mercury Series - LAN Extension	03-6381A01	KIT, MERC16E ODU DC	$62.43
Mercury Series - LAN Extension	03-6381A04	KIT, MERC16E ODU POE 3.65	$237.53
Mercury Series - LAN Extension	03-6381A02	KIT, MERC16E ODU POE 5.8	$290.49
Mercury Series - LAN Extension	97-4636A09	POE injector for 5.8FCC or 3.65 (L-Comm PS4820-POE-1)	$67.92
Mercury Series - LAN Extension	97-4636A11	POE injector for 5.8GHz ETSI/CE Mark (PowerDsine PD-9001G)	$242.93
Mercury Series - LAN Extension	03-4925A04	Power Cable for DC Power Option; 2 pin connector with flying leads	$43.96
Mercury Series - LAN Extension	KAP-M36-D2	RF Kit for E-Ver Mercury Access Point, 3.6GHz, 12dBi DualPol Sector & Site Install Kit	$1,155.35
Mercury Series - LAN Extension	KAP-M36-D1	RF Kit for E-Ver Mercury Access Point, 3.6GHz, 18dBi DualPol Panel & Site Install Kit	$734.11
Mercury Series - LAN Extension	KFR-M36-D2	RF Kit for E-Ver Mercury Fixed Remote, 3.6GHz, 12dBi DualPol Sector & Site Install Kit	$933.33
Mercury Series - LAN Extension	KFR-M36-D1	RF Kit for E-Ver Mercury Fixed Remote, 3.6GHz, 18dBi DualPol Panel & Site Install Kit	$512.24
Mercury Series - LAN Extension	97-1680A28	Surge Protector 2-6GHz NF-NF Bulkhead	$56.23
Mercury Series - LAN Extension	97-1680A23	Surge Protector 700MHz-2.7GHz NF-NF Bulkhead	$104.29
Mercury Series - LAN Extension	97-1677A76	Weatherproofing Kit 1/2" to 7/8"	$35.79
Mercury Series - LAN Extension	97-1677A75	Weatherproofing Kit 1/2" to1/2"	$23.26

Product Type	Part Number	Product Description	Unit Price
iNET Series - LAN Extension	iNETII-AP/DG	iNETII 900 Access Point/Remote Dual Gateway - Provides both serial and Ethernet connections, and is configurable as an Access Point or Remote Dual Gateway, 1 Mbps, 902-928 MHz, AES-128 Encryption	$1,329.94
iNET Series - LAN Extension	iNET-AP/DG	iNET 900 Access Point/Remote Dual Gateway - Provides both serial and Ethernet connections, and is configurable as an Access Point or Remote Dual Gateway, 512 kbps, 902-928 MHz	$1,249.22
iNET Series - Training	TRNG MDS-iNET	MDS iNET Series Technical Training	$438.19
iNET Series -Accessories	97-3194A17	Antenna 902-928MHz 9dBi Omni w/16" Jumper N-F Conn & Mnt.	$137.01
iNET Series -Accessories	97-3194A14	Antenna 902-960MHz 12dBi Yagi w/N-F Conn & Mnt	$87.93
iNET Series -Accessories	20-2822A02	Bandpass Filter 902-927MHz 26MHz	$184.04
iNET Series -Accessories	97-1677A174	Cable AVA5-50A 7/8" Foam Per Foot	$3.58
iNET Series -Accessories	97-1677A159	Cable Jumper 3/8" LMR-400 3' TNC-M to N-M	$38.85
iNET Series -Accessories	97-1677A103	Cable LDF4-50A 1/2" Foam Per Foot	$1.89
iNET Series -Accessories	97-3675A10	Cable LMR-400 Standard Outdoor Cable Per Foot	$1.01
iNET Series -Accessories	97-1870A21	Cable RJ45 CAT5 Crossover 6ft	$7.16
iNET Series -Accessories	97-1870A20	Cable RJ45 CAT5 Straight 6ft	$6.13
iNET Series -Accessories	97-1677A171	Connector Kit LDF4 TNC-M w/Flange Mnt Up To 1GHz	$204.49
iNET Series -Accessories	97-3675A86	Connector Kit LMR400 TNC-M w/Bulkhead Mnt Up To 1GHz	$193.24
iNET Series -Accessories	97-3675A76	Connector Kit LMR400 TNC-M w/Flange Mnt Up To 1GHz	$159.50
iNET Series -Accessories	03-4125A04	Din Rail Mnt Kit For SD iNET & entraNET Access Points	$10.22
iNET Series -Accessories		MDS P21 Redundant iNET Chassis	$2,450.93
iNET Series -Accessories		MDS P60 Basic Package Model	$955.25
iNET Series -Accessories	01-3682A02	Power Supply For 'NET' & SD 12v-30W w/AC/DC Switcher	$59.30
iNET Series -Accessories	97-1680A01	Surge Protector 125-1,000MHz NF-NF Flange	$55.21
iNET Series -Accessories	97-1680A05	Surge Protector 125-1,000MHz NF-NF Bulkhead	$61.35

Product Type	Part Number	Product Description	Unit Price
PulseNET - Nework Management	PN-1	MDS PulseNET NMS	$38.44
PulseNET - Nework Management	PNE-1	MDS PulseNET Enterprise NMS: MDS PulseNET Enterprise (PNE) Network Management Software Device License, Single Device License, 12 Months of Software Maintenance and Support Included. For use with Mercury, INET and INET II	$115.31
PulseNET - Nework Management	PNM-1	MDS PulseNET NMS Annual Maintenance	$7.69
PulseNET - Nework Management	PNEM-1	MDS PulseNet Enterprise NMS Annual Maintenance	$23.06
PulseNET - Nework Management	PNEUP-1	MDS PulseNET Enterprise Upgrade (PNEUP) Network Management Software Device License , Single Device License, 12 Months of Software Maintenance and Support Included. For use with Mercury, INET and INET II	$76.88

Product Type	Product Description	Unit Price
8 Hours On-Site Support	8 Hours on On-Site Support with a GE MDS Field Technician. This does not include Travel and Living Expense.	$1,537.50
Travel & Living Expense	T&L Expenses will be charge at actual rate. GE employees will follow GE standard travel expense policy . Approximate expense is $1150 per day.	$1,178.75

Unit Price
$1,537.50
$1,178.75

Item 2.1

Contract No.: BW8970-4/14-4	**Title:** Artists and Exhibition Services

Type of Change:

☒ Additional Time ☒ Additional Expenditure Authority

Contract Description and Reason for Change:

Authorization is requested to extend this pool contract for an additional five years and increase expenditure authority to allow Miami-Dade Public Library System (MDPLS) and Miami-Dade Aviation Department (MDAD) to continue purchasing artist and exhibition services. The value of this five-year extension is $325,000 which is based on current and anticipated usage during the extension period.

This pool is used by MDPLS and MDAD to procure art, art installation services, performers, conservation services, art consultants, exhibitions, and exhibition-related services. The art, presentations and exhibits provide community access to free artistic programs and cultural events.

Through this pool, the County can procure specific cultural services, which are unique in nature and cannot be acquired through the County's traditional competitive bidding process. A selection committee composed of departmental staff, and arts and culture community representatives, as necessary, conduct market research to identify and select companies and individuals offering distinct art and exhibits.

Current Term Length:			**Additional Time Requested:**		
69 Months			60 Months		
Current Term Start Date:	**Current Term Expiration Date:**		**Proposed Expiration Date:**		
February 26, 2009	November 25, 2014		November 25, 2019		
Department	**Existing Allocation**	**Additional Allocation Requested**	**Modified Allocation**	**Funding Source**	**Contract Manager**
Aviation	$329,000	$250,000	$579,000	Proprietary Funds	Neivy Garcia
Library	719,000	75,000	794,000	Library District	Ana Rodriguez
TOTAL	**$1,048,000**	**$325,000**	**$1,373,000**		

Contract Measures:	☐ Small Business Enterprise ☐ Set-Aside ☐ Bid Preference ☐ Selection Factor ☒ Other - No Measures (Bid Waiver)
Local Preference Ordinance:	☐ Applies where permitted by funding source ☒ Does not apply
Living Wage Ordinance:	☐ Applies ☒ Does not apply
User Access Program:	☐ Applies where permitted by funding source ☒ Does not apply
Procurement Contracting Officer:	Martha Perez-Garviso

Vendors:

There are currently over one hundred vendors in this pool. Vendors may be added to the pool throughout the term at the request of the user departments.